



Bartovation LLC.
2483 47th St.
Astoria NY 11103
contact@bartovation.com

Product Technical Fact Sheet

Part Number: PQT01V100

Product Description: Low Level QAC Test Strips, 100 strips per vial

Application:

The 0-100 ppm low range QAC test strip is used for testing disinfection/sanitizing solutions of quaternary ammonium mixtures in water. It is often used to test rinse water to verify that the rinse contains no residual QAC. The test strip and color chart have been calibrated for use with Oasis 146 (Ecolab). Oasis 146 concentrate consists of the following active ingredients. The test strip can be used with other similar Quat formulas; however, the specific application should be verified before use.

Alkyl dimethyl benzyl ammonium chloride 3.00%

Octyl decyl dimethyl ammonium chloride 2.25%

Dioctyl dimethyl ammonium chloride 0.90%

Didecyl dimethyl ammonium chloride 1.35%

Test Range: 0-100 ppm

Test Increments: Color chart calibrated at <10, 20, 30, 50, and 100 ppm using Oasis 146

Accuracy: +/- ½ color chart unit

Detection Limit: 10 ppm (it is not possible to accurately quantitate results below 10 ppm)

Storage Recommendations: Store in original packaging in a cool (20-30C), dry, place out of direct sunlight.

Shelf-Life: Two years from date of manufacture when stored properly in original packaging.

Interferences: Formula additives can adversely influence the results. Use with formulations other than Oasis 146 should be verified first.

Temperature can adversely affect the results. Temperatures of 90-110 F can cause strips to read up to ½ unit high. Temperatures above 110F can shift the results 1 unit high. Testing at room temperature is recommended.

Hard water (above 500 ppm) can cause the strips to read high, up to 1 unit.

Instructions for Use:

1. Dip the test strip into the solution to be tested and move it back and forth slowly 5 times.
2. Remove the test strip and after 10 seconds compare the test pad to the color chart.

Chemistry Behind the Test: The QAC test papers use various surfactants, buffers, and indicators to employ the protein-error of indicators effect.